

Exhibit N

UNITED STATES PATENT OFFICE.

DAVID GOLDSTEIN, OF MILWAUKEE, WISCONSIN.

DISPLAY-RACK.

SPECIFICATION forming part of Letters Patent No. 499,881, dated June 20, 1893.

Application filed September 12, 1892. Serial No. 445,888. (No model.)

To all whom it may concern:

Be it known that I, DAVID GOLDSTEIN, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Display-Racks; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to new and useful improvements in display racks for the exhibition of samples or articles of merchandise, and the invention consists in the matters hereinafter described and pointed out in the appended claims.

In the accompanying drawings illustrating my invention: Figure 1 is a perspective view of a display rack constructed in accordance with my invention. Fig. 2 is a vertical sectional view of the same taken on line 2—2 of Fig. 1. Fig. 3 is a detail vertical sectional view taken on line 3—3 of Fig. 1. Fig. 4 is a separate detail view of the upper end of one of the supports for the articles to be displayed, showing the said support as being made adjustable. Fig. 5 is a longitudinal sectional view of said support taken on line 5—5 of Fig. 4. Figs. 6 and 7 are detail cross sectional views of the same taken respectively on lines 6—6 and 7—7 of Fig. 5.

In said drawings: A represents a suitable frame, which is conveniently made of rectangular form, and B B, any desired number of transverse bars extending between the side pieces of the frame A, and revolvably secured thereto in any desired or convenient manner, as by means of screws B' B', passed through said side pieces and into the ends of said transverse bars, as illustrated more particularly in Fig. 3.

The transverse bars B B, are each provided with a row of sockets b b for the reception of the lower ends of suitable standards or supports for the articles to be exhibited. A bar or strap C is arranged upon the top of the frame A, being provided at its front and rear ends with slots c c through which thumb screws C' C' are passed and turned into the front and rear frame pieces, and screws c' c' are passed through the apertures in said bar C and into the transverse bars B B, as shown.

The apertures in the bar C, through which the screws c' c' are passed are sufficiently large to permit of a slight movement of the said screws therein. By this construction, the bar or strap C may be moved longitudinally so as to produce a simultaneous rotary movement of all of the bars B B in an obvious manner. When desired, one or both of the thumb screws C' C' may be tightened so as to hold the bar C and the connected transverse bars B B in their adjusted positions. Standards or supports D D are arranged to engage with the sockets b b in the bars B B, said standards or supports being conveniently formed from bent wire and having loops or rings D' D' at their tops, and each provided with two legs d d arranged to be inserted in the sockets b b in the bars B B.

Suitable upwardly directed pins or points d' d' are secured upon the upper ends of the standards or supports D D, and are preferably arranged to project upward and slightly forward from the lower sides of the rings or loops D' D', so as to engage with the articles to be displayed.

In some instances I find it desirable to construct the standards D D so as to be adjustable as to height, and in such cases, I make said standards of two sections d² and d³, the same being slidably engaged with each other and secured in their adjusted positions by a suitable set screw d⁴ which has a screw threaded engagement with a sleeve D² secured to one of the parts d² or d³ and within which the other part is arranged to slide.

As shown in the drawings, I prefer to form the portions of the standards D D, between the rings or loops D' D' and the bifurcated lower ends of the same, from two thicknesses of wire, the said standards each being conveniently formed from a single piece of wire bent so as to form the ring or loop, the two ends of said wire being carried downward side by side and spread apart at their lower extremities sufficiently to engage with the sockets b b. A suitable sleeve or clasp E is preferably arranged to embrace the two thicknesses of wire at the base of the ring or loop, and the pin d' is conveniently secured within said sleeve with its point arranged to project upwardly therefrom. When the standard is made

(No Model.)

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DISPLAY RACK.

No. 499,881.

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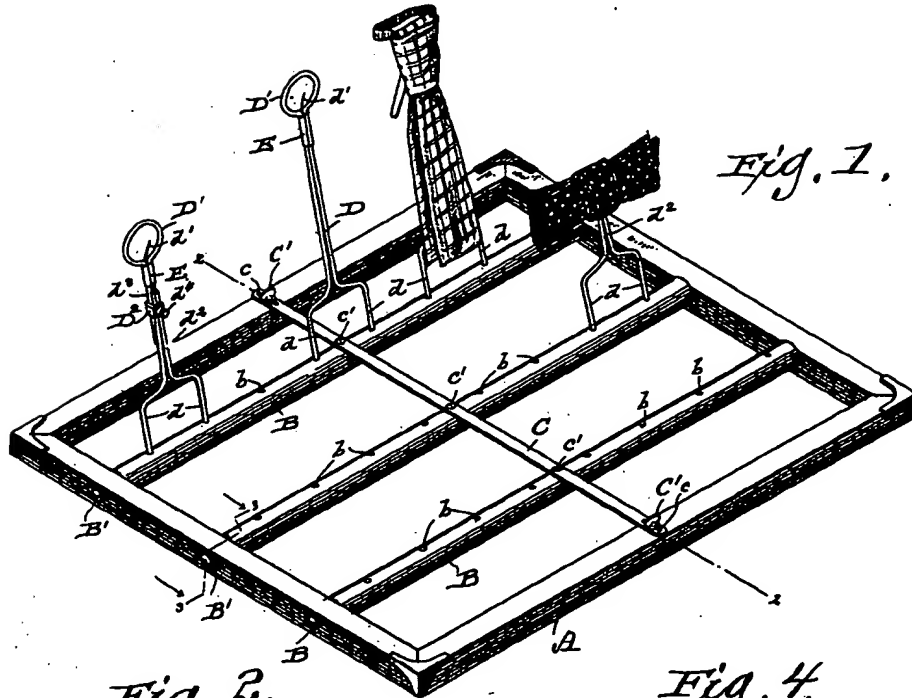


Fig. 1.

Fig. 2.

Fig. 4.

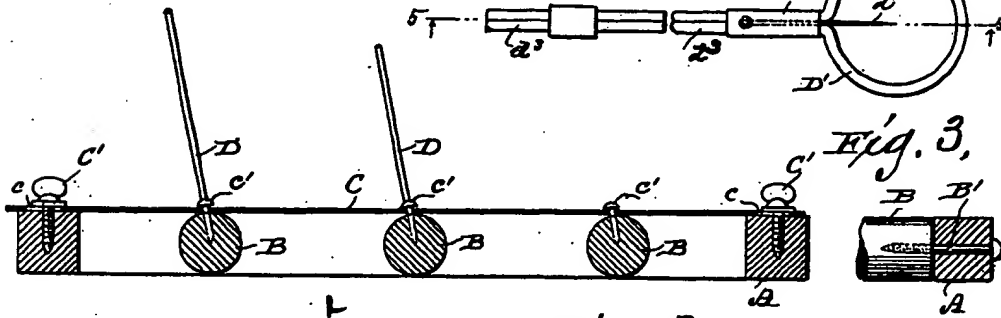


Fig. 5.

Witnesses
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Fig. 6.

Fig. 7.

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adjustable, however, the upper ends of the two wires which form the legs *d d* are solidly united together and provided with a projecting pin *e* arranged to slide in the angle formed by the junction of the two cylindric surfaces of the two thicknesses of wire which form the top portion of the standard, so as to serve as a guide to hold the two parts of the standard in proper alignment with each other. If desired, of course, both styles of standards may be employed upon the same rack or the standards may be all of one construction if preferred.

By the adjustable construction of the standards, they may be regulated as to height, so as to adapt them for use in displaying articles of various sizes.

By the described construction of the rack with the transverse bars revolubly supported between the side pieces, the said bars may be adjusted so as to set the standards all at any desired angle with the frame, so as to enable the articles carried by the standards to be displayed to the best advantage. By this construction therefore, the user is enabled by a simple movement of the bar *C*, to change the arrangement of all the articles upon the rack so as to give a different appearance thereto. Furthermore, by the adjustable arrangement of the bars, they may be rocked into a position to best display articles in a show window or case having either a level or a slanting floor or bottom. A great advantage is thus gained over the usual forms of display racks in which standards are provided which are rigidly secured to the frame.

I find in practice that my improved rack is especially well adapted for the display of neckties, gloves, or other small articles of merchandise, the same being readily secured in the desired positions by means of the pins or points at the upper ends of the standards.

My device is very simple and cheap of construction, durable and not liable to get out of order, and is easily and quickly adjusted to any desired position.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A display rack comprising a suitable rectangular frame, a plurality of bars revolubly supported in the frame and adapted to sustain suitable standards or supports for the articles to be displayed, a bar or strip extending from front to rear of the frame and having operative engagement with all of said transverse bars, adjustable connections between the front and rear ends of said bar or strip and the frame, and means for securing said bar or strip in its adjusted position with respect to said frame, substantially as set forth.

2. In a display rack, the combination with a suitable frame provided with revoluble transverse bars, of a standard consisting of an upper section provided with a suitable pin or point for engagement with an article to be exhibited, a lower section adapted for engagement with one of said revoluble bars and having a sliding engagement with said upper section, and suitable means for locking said upper and lower sections in their adjusted positions, substantially as set forth.

3. A display rack comprising a suitable rectangular frame a plurality of transverse bars revolubly supported in said frame, a plurality of suitable standards or supports for the individual articles to be displayed adapted for engagement with said transverse bars, a bar or strip extending from front to rear of the frame and having operative engagement with all of said transverse bars, slots in the ends of said bar or strip, and suitable thumb screws for securing it in its adjusted position, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

DAVID GOLDSTEIN.

Witnesses:

H. G. UNDERWOOD,
JOHN E. WILES.